

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Original) A method of treating a cervical intraepithelial neoplasia (CIN) in a human, the method comprising:

identifying an individual as being 30 years of age or younger and as having a CIN; and
administering to the individual an effective amount of a pharmaceutical composition comprising a nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an epitope of a naturally occurring human papilloma virus (HPV) protein.

2. (Canceled)

3. (Original) A method of treating an HPV-mediated disease in a human, the method comprising:

identifying an individual as being 30 years of age or younger and as having an HPV-mediated disease; and

administering to the individual an effective amount of a pharmaceutical composition comprising a nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an epitope of a naturally occurring HPV protein.

4-5. (Canceled)

6. (Original) A method of selecting a treatment for an individual, the method comprising:

identifying an individual as having an HPV-mediated disease;
determining the age of the individual; and

if the individual is determined to be 30 years of age or younger, prescribing for the individual an effective amount of a pharmaceutical composition comprising a nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an epitope of a naturally occurring HPV protein.

7. (Canceled)

8. (Original) A kit comprising:

a pharmaceutical composition comprising a nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an epitope of a naturally occurring HPV protein; and

instructions for use of the pharmaceutical composition in treating an HPV-mediated disease in persons 30 years of age or younger.

9. (Currently Amended) The method of claim 1 ~~or kit of any of claims 1-8~~, wherein the CIN is cervical intraepithelial neoplasia 1 (CIN1) or low grade squamous intraepithelial lesion (LSIL).

10. (Currently Amended) The method of claim 1 ~~or kit of any of claims 1-8~~, wherein the CIN is cervical intraepithelial neoplasia 2 (CIN2), cervical intraepithelial neoplasia 3 (CIN3), cervical intraepithelial neoplasia 2/3 (CIN2/3), or high grade squamous intraepithelial lesion (HSIL).

11. (Currently Amended) The method of claim 3 ~~or kit of any of claims 1-8~~, wherein the HPV-mediated disease is atypical squamous cells of undetermined significance (ASCUS), vulval intraepithelial neoplasia (VIN), or anal intraepithelial neoplasia (AIN).

12. (Currently Amended) The method of claim 3 ~~or kit of any of claims 1-8~~, wherein the HPV-mediated disease is cervical cancer, vulvar cancer, anal cancer, vaginal cancer, penile cancer, head and neck cancer, squamous cell carcinoma of the lung, squamous cell carcinoma of the sinuses, squamous cell carcinoma of the esophagus, oral carcinoma, or conjunctival carcinoma.

13. (Currently Amended) The method of claim 3 ~~or kit of any of claims 1-8~~, wherein the HPV-mediated disease is anogenital warts, bowenoid papulosis, or giant condylomata.

14. (Currently Amended) The method of claim 3 ~~or kit of any of claims 1-8~~, wherein the HPV-mediated disease is common warts, plantar warts, flat warts, butcher warts, or epidermodysplasia verruciformis.

15. (Currently Amended) The method of claim 3 ~~or kit of any of claims 1-8~~, wherein the HPV-mediated disease is respiratory papillomatosis, laryngeal papilloma, maxillary sinus papilloma, conjunctival papillomatosis, or oral focal hyperplasia.

16. (Currently Amended) The method of claim 1 ~~or kit of any of claims 1-15~~, comprising, prior to the administration, identifying the individual as being less than 30 years of age.

17. (Currently Amended) The method of claim 1 ~~or kit of any of claims 1-15~~, comprising, prior to the administration, identifying the individual as being less than 25 years of age.

18-19. (Canceled)

20. (Currently Amended) The method of claim 1 ~~or kit of any of claims 1-19~~, wherein the epitope is a peptide that binds to the binding groove of an MHC class I molecule.

21. (Currently Amended) The method of claim 1 ~~or kit of any of claims 1-19~~, wherein the epitope is a peptide that binds to the binding groove of an MHC class II molecule.

22. (Currently Amended) The method of claim 1 ~~or kit of any of claims 1-21~~, further comprising, after the administering step, observing an elimination of the CIN or a reduction in the severity of the CIN.

23-42. (Canceled)

43. (Currently Amended) The method of claim 1 ~~or kit of any of claims 1-42~~, wherein the pharmaceutical composition comprises a microparticle.

44-50. (Canceled)

51. (Original) A method of treating a CIN in a human, the method comprising:
identifying an individual as having a CIN; and
administering to the individual an effective amount of a pharmaceutical composition comprising a nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an epitope of a naturally occurring HPV protein, wherein prior to the administration the individual is not tested to determine the identity of one or more types of HPV present in the individual, and wherein the polypeptide (a) is a hybrid polypeptide comprising an epitope from

an HPV E6 protein and an epitope from an HPV E7 protein, (b) does not comprise a heat shock protein or an immunostimulatory fragment thereof, or (c) a combination of (a) and (b).

52-55. (Canceled)

56. (Original) A method of treating an HPV-mediated disease in a human, the method comprising:

identifying an individual as having an HPV-mediated disease; and

administering to the individual an effective amount of a pharmaceutical composition comprising a nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an epitope of a naturally occurring HPV protein, wherein prior to the administration the individual is not tested to determine the identity of one or more types of HPV present in the individual, and wherein the polypeptide (a) is a hybrid polypeptide comprising an epitope from an HPV E6 protein and an epitope from an HPV E7 protein, (b) does not comprise a heat shock protein or an immunostimulatory fragment thereof, or (c) a combination of (a) and (b).

57-61. (Canceled)

62. (Original) A method of selecting a treatment for an individual, the method comprising:

identifying an individual as having an HPV-mediated disease; and

prescribing for the individual, without first consulting any record that may exist identifying the type or types of HPV present in the individual, an effective amount of a pharmaceutical composition comprising a nucleic acid comprising a nucleotide sequence that encodes a polypeptide comprising an epitope of a naturally occurring HPV protein, wherein the polypeptide (a) is a hybrid polypeptide comprising an epitope from an HPV E6 protein and an epitope from an HPV E7 protein, (b) does not comprise a heat shock protein or an immunostimulatory fragment thereof, or (c) a combination of (a) and (b).

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63-72. (Canceled)